

ABSTRACT OF THE DISCLOSURE

Systems and methods are provided through which data parseable against a document type definition by generating a list of a possible paths of an input
5 element that is not encoded against the document type definition, determining the path that is the best fit with the document type definition, and then generating the element in the syntax of the document type definition. Determining the path that is the best fit includes parsing the path against the document type definition. The best fit is expressed in a scoring scale, in which the best score
10 indicates the best fit. Thereafter, the path with the best fit is translated in accordance to the document type definition or markup language.